

MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS, AND RELATED MATERIALS
REPLACES NCPA 1-82

MANUFACTURERS NAME

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DATE OF PREPARATION

10/86

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: TR-20
PRODUCT NAME : Retarder/Reducer
PRODUCT CLASS : Solvent

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	%WT.	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mm.Hg. @ 20°C
			TLV (ACGIH) (ppm) mg/cu.m.	PEL (OSHA) (ppm) mg/cu.m.	
Toluene	108-88-3	<10	100	200	22
Xylene	1330-20-7	<10	100	100	21
Cyclohexanone	108-94-1	<90	25	50	3.4

SECTION III - PHYSICAL DATA

BOILING RANGE 230°F-315°F VAPOR DENSITY XX HEAVIER LIGHTER THAN AIR
EVAPORATION RATE FASTER XX SLOWER THAN ETHER 100 % VOLATILE VOLUME 7.8 WT/GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION OSHA Class IB FLASH POINT 40 °F. TCC LEL 1.
DOT Paint, Flammable Liquid, (UN1263)

EXTINGUISHING MEDIA: Use NFPA Class B extinguishers.

☒ FOAM ☐ "ALCOHOL" ☒ CO2 ☒ DRY CHEMICAL ☒ WATER FOG ☐ C

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. Self contained breathing apparatus should be worn by firefighters. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIREFIGHTING PROCEDURES: Water spray may be ineffective. If water is used, fog nozzles are preferred. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Can cause irritation to skin, eyes, and respiratory tract. Symptoms may be watering of eyes, dryness of throat, coughing, headache, tightness in chest or burning sensation. Allergic reactions may occur in some individuals. Headache, dizziness or nausea may be experienced by some as a result of exposure to solvents.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Persons with asthmatic type conditions, chronic bronchitis or other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with this product.

PRIMARY ROUTE(S) OF ENTRY: ☒ DERMAL ☒ INHALATION ☐ INGESTION

EMERGENCY AND FIRST AID PROCEDURES: Eye Contact: Flush with water for 15 minutes. Consult physician. Skin Contact: Wash affected area with soap and water. Remove contaminated clothing. Consult physician. Inhalation: Remove to fresh air. Consult physician. Ingestion: Drink water to dilute. Do not induce vomiting. Consult physician.

SECTION VI - REACTIVITY DATA

STABILITY: ☐ UNSTABLE ☒ STABLE

HAZARDOUS POLYMERIZATION: ☐ MAY OCCUR ☒ WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: By fire - CO, CO₂, and nitrogen oxides.

CONDITIONS TO AVOID: Temperature above maximum storage temperature. Avoid exposure to heat, sparks, or open flames.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents.